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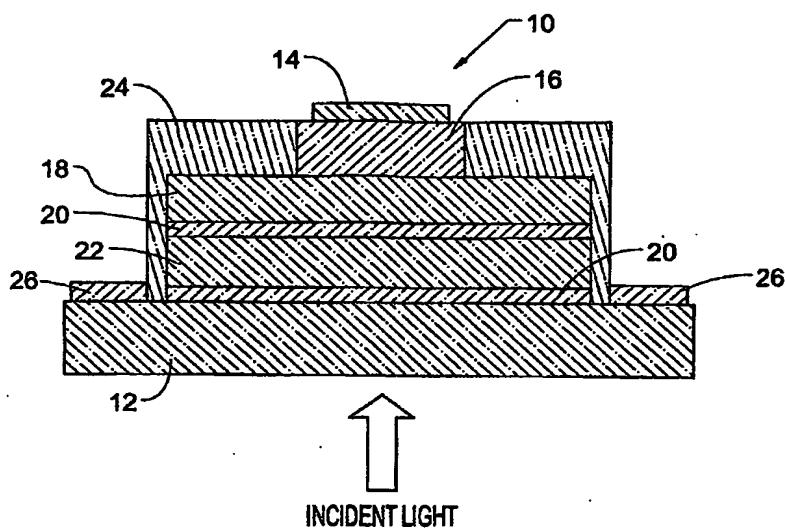
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(54) Title: PIN PHOTODETECTOR



(57) Abstract: A PIN photodetector includes a first semiconductor contact layer, a semiconductor absorption layer having a larger area than the first semiconductor contact layer, a semiconductor passivation layer positioned between the first semiconductor contact layer and absorption layer, and a second semiconductor contact layer. The semiconductor absorption layer and passivation layers are positioned between the first and second semiconductor contact layers.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/13464

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01L 31/00, 27/14, 33/00, 31/062, 31/113
US CL : 250/214.1; 257/290, 292, 431

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 250/214.1; 257/290, 292, 431

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
None

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,771,325 (Cheng et al.) 13 September 1988 (13.09.1988), see entire document.	1-26
A	US 4,625,226 (Antell et al) 25 November 1986 (25.11.1986), see entire document.	1-26

Further documents are listed in the continuation of Box C.

See patent family annex.

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